

Amendments to the Specification:

Please replace paragraphs [0008] and [0107] with the following rewritten paragraphs:

[0008] Figure 1 depicts cDNA (SEQ ID NO:2) and a deduced protein sequence (SEQ ID NO:1) of Y73E7A.7 (Ce β 4GalNAcT). The putative transmembrane domain of the predicted protein encoded by Y73E7A.7 is double underlined; the Asp residues that are potentially N-glycosylated are in bold; and the DVD motifs are singly underlined.

[0107] ***Isolation of the cDNA Encoded by Y73E7A.7 (Ce β 4GalNAcT)***—

A potential *C. elegans* open reading frame designated Y73E7A.7 was identified by a BlastP search as encoding a homologue of the human B4GALT I. An identical cDNA was amplified by PCR from a mixed-stage *C. elegans* cDNA library using primers corresponding to the 5' and 3' ends of this open reading frame, establishing that the gene is expressed *in vivo*. The cDNA (SEQ ID NO:2) of Y73E7A.7 encodes a predicted 383 amino acid protein (SEQ ID NO:1) with a single transmembrane domain (residues 7-29) in a type 2 topology. The protein is predicted to contain six potential N-glycosylation sites and two DVD motifs, which are thought to participate in metal ion binding (46) (Fig. 1). The protein sequence encoded by Y73E7A.7 is 35.5% identical to human B4GALT I, and is more closely related to the first four members of the B4GALT family

(human B4GALT I, II, III, and IV) than to the others in that family (data not shown).